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Structural Engineers, Architects &
Project Management Consultants

NAME OF WORK:- "Construction of Indoor Stadium with all Amenities at Sahakaranagara in Ward No:08 Kodigehalli, Kodigehalli Sub Division".

Name of Client : EXECUTIVE ENGINEER, PROJECT DIVISION, YELAHANKA ZONE, BBMP, BANGALORE

Contractor/ Agency: Sri.Abbu Sambasiva Reddy, #1-B-3, Sree Arcade Layout, 4th Block, DB Sandra, Vidyaranyapura, Bangalore-560097.

Tender Contract Price Rs 1,57,57,537/-

Date Of Inspection : 26-11-21

Status Of Bill : Flifth & Part Bill

In the Presence of : a) Assistant Engineer,Ward No -08 Project Sub division, BBMP, Bangalore

b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
4	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.12 Item No 4.3	Work done upto the Billed Quantity and the Quality is satisfactory
5	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory

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64	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory
65	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
66	Extra over above Item for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
67	Providing and finishing external walls in two coats with waterproof cement paint of approved brand with primer and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
68	Providing and finishing external walls in two coats with waterproof cement paint of approved brand with primer and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
69	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
70	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory

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71	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, curing etc.,complete and as per directions of Engineer in charge of the work (Second Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
73	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping . under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
80	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specification and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
81	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 600x 600x 10 mm thick fixed on existing flooring withspecial adhesive for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc complete as per specification and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
82	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory

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83	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
84	Providing and constructing standard rubber flooring using rubber membrane of 12mm thick ,to be laid over prepared cement mortar /concrete surface using cm 1:6 beneath rubber membrane including cost of all materials ,labour ,packing joints and mortor finishing curing ,all lead and lift ,transportation and also including all applicable taxes complete as per direction incharge of work.	Work done upto the Billed Quantity and the Quality is satisfactory
85	Providing Flooring for Squash court	Work done upto the Billed Quantity and the Quality is satisfactory
94	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
95	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
96	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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97	Providing Teak wood frames of doors, windows,wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials,labour, HOM of machineries complete as per specifications	Work done upto the Billed Quantity and the Quality is satisfactory
98	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
99	Providing and fixing in position fully panelled Teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM ofmachineries complete as per specifications. (excluding cost of fixtures) and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
100	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
101	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
102	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and as per directions of Engineer in charge of the work (Headroom)	Work done upto the Billed Quantity and the Quality is satisfactory

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103	Providing and fixing flush door shutter made out of solid core black board type ,well seasoned chemically treated hard wood battens and internal frame with minimum 45 wide wooden frame all round door shutters covered with cross bounded wooden sheets (core veneer)hot pressed and fastened on both sides of the door using liquidphenol formaldehyde resin as per IS specifiaction 2202 (part - 1) 1991.from manufacturere (factory) complete as per specification. 30mm thick both side commercial and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
104	Providing and fixing flush door shutter made out of solid core black board type ,well seasoned chemically treated hard wood battens and internal frame with minimum 45 wide wooden frame all round door shutters covered with cross bounded wooden sheets (core veneer)hot pressed and fastened on both sides of the door using liquidphenol formaldehyde resin as per IS specifiaction 2202 (part - 1) 1991.from manufacturere (factory) complete as per specification. 30mm thick both side commercial and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
105	providing melamine polishing of approved shade includingremoving and refixing of doors shutters, glass, beading andexisting polishing scraping with blade and rubbing with zero size sand paper and applying sealer coat by way of spraying with necessary compressor and applying patty after rubbing with steel wool including two coats of approved shade of melamine polish etc., complete	Work done upto the Billed Quantity and the Quality is satisfactory
106	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
107	Providing and fixing Single shutter glass door of 12mm thick plain toughened glass (Saint Gobain, Modi float). The door is fixed by using any approved make hardware fitting like patch fitting, pivot, floor machine, locking arrangements and suitable SS door rails with floral glass etching for 1/3 portion of door area etc complete. The rate includes cost of all materials, labour, hire of tools & machineries,and as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory

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108	12mm thick plain toughened glass.	Work done upto the Billed Quantity and the Quality is satisfactory
109	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory

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110	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm. thick, weight 0.933 kg/m shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
114	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and as per directions of Engineer in charge of the work (Ground Floor)	Work done upto the Billed Quantity and the Quality is satisfactory

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115	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and as per directions of Engineer in charge of the work (First Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
116	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications and as per directions of Engineer in charge of the work (Second Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
117	Providing and fixing Badminton Poles and net	Work done upto the Billed Quantity and the Quality is satisfactory
121	Providing, fabricating and fixing of stick type structural glazing using Alluminium Extrusions of 63.5 mm x 58.00 mmx 2.25 mm of 1.73 kgs/ mtr for vertical and Horizontal members and 63.5 mm x 38.1 x 1.33 mm of 0.759 kg/Mtr, as outer frame with Electro Anodized Paint coated block finishing, using 6mm thick imported glass reflective hard coatedocean blue raw glass with all necessary accesories like ultra glass Silicon sealant of Space tape, Masking tape, Galvanized Anchaor bolt, machine screws, 6mm thick M.S. angle 50mm x 150mm x 6mm M.S. Galvanized L Brackets, structural sealent setting clocks, fasteners, wall connection etc., complete.	Work done upto the Billed Quantity and the Quality is satisfactory

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124	Providing and fixing M.S. Gate as per Chief Architect Drawing,using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory
125	Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
158	Concealed Conduit System Supplying heavy gauge PVC conduit pipe ……mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 19/20mm dia 2mm thick(including audio system)	Work done upto the Billed Quantity and the Quality is satisfactory
159	25mm dia 2mm thick (Quantity upto 125%)	Work done upto the Billed Quantity and the Quality is satisfactory
160	32mm dia 2.5mm thick	Work done upto the Billed Quantity and the Quality is satisfactory
161	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall	Work done upto the Billed Quantity and the Quality is satisfactory
162	upto 50mm conduit CC floor (Quantity upto 125%)	Work done upto the Billed Quantity and the Quality is satisfactory

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163	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm …. etc. as required. 25mm (Quantity upto 125%)	Work done upto the Billed Quantity and the Quality is satisfactory
164	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm …. etc. as required. 32mm (Quantity upto 125%)	Work done upto the Billed Quantity and the Quality is satisfactory
165	Supplying PVC/GI flexible conduit pipe…mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm	Work done upto the Billed Quantity and the Quality is satisfactory
166	Supplying And Fixing Metal Fan Box with Round Hook. (Quantity upto 125%)	Work done upto the Billed Quantity and the Quality is satisfactory
167	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box	Work done upto the Billed Quantity and the Quality is satisfactory
168	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box (Quantity Above 125%)	Work done upto the Billed Quantity and the Quality is satisfactory

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169	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Long point above 6Mtr upto 10Mtr from tapping point to out let via switch box	Work done upto the Billed Quantity and the Quality is satisfactory
170	Two outlet in a row, above 3Mtr upto 6Mtr from tapping point to out let via switches	Work done upto the Billed Quantity and the Quality is satisfactory
171	Three outlet in a row, above 6Mts upto 10Mtr from tapping point to out let via switches box	Work done upto the Billed Quantity and the Quality is satisfactory
172	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm	Work done upto the Billed Quantity and the Quality is satisfactory
173	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 2.5 sqmm	Work done upto the Billed Quantity and the Quality is satisfactory
174	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm	Work done upto the Billed Quantity and the Quality is satisfactory
175	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 6sqmm	Work done upto the Billed Quantity and the Quality is satisfactory

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176	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A 10 sqmm	Work done upto the Billed Quantity and the Quality is satisfactory
177	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way	Work done upto the Billed Quantity and the Quality is satisfactory
178	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way	Work done upto the Billed Quantity and the Quality is satisfactory
179	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8 Way	Work done upto the Billed Quantity and the Quality is satisfactory
180	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way	Work done upto the Billed Quantity and the Quality is satisfactory
181	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module	Work done upto the Billed Quantity and the Quality is satisfactory
182	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box 6 Module	Work done upto the Billed Quantity and the Quality is satisfactory
183	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box .8 Module	Work done upto the Billed Quantity and the Quality is satisfactory

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184	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.12 Module	Work done upto the Billed Quantity and the Quality is satisfactory
185	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.	Work done upto the Billed Quantity and the Quality is satisfactory
186	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP 6Amps Two way .	Work done upto the Billed Quantity and the Quality is satisfactory
187	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A6Amps 3way socket.	Work done upto the Billed Quantity and the Quality is satisfactory
188	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A Stepped Fan Regulator.	Work done upto the Billed Quantity and the Quality is satisfactory
189	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 16Amps one way switch	Work done upto the Billed Quantity and the Quality is satisfactory
190	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6/16 Amps universal socket	Work done upto the Billed Quantity and the Quality is satisfactory

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191	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A TV/Telephone socket	Work done upto the Billed Quantity and the Quality is satisfactory
192	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A RJ45/ I.O. outlet	Work done upto the Billed Quantity and the Quality is satisfactory
193	Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.	Work done upto the Billed Quantity and the Quality is satisfactory
194	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp.	Work done upto the Billed Quantity and the Quality is satisfactory
195	Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply.	Work done upto the Billed Quantity and the Quality is satisfactory
196	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work	Work done upto the Billed Quantity and the Quality is satisfactory

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197	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.	Work done upto the Billed Quantity and the Quality is satisfactory
198	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.	Work done upto the Billed Quantity and the Quality is satisfactory
199	60W highbay LED linear type light fixture make-crompton ,model -LHBL60CDL	Work done upto the Billed Quantity and the Quality is satisfactory
200	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 100Amps	Work done upto the Billed Quantity and the Quality is satisfactory
204	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP	Work done upto the Billed Quantity and the Quality is satisfactory

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205	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 40-63Amps DP	Work done upto the Billed Quantity and the Quality is satisfactory
206	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 40-63Amps TPN	Work done upto the Billed Quantity and the Quality is satisfactory
207	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12Way SP &N	Work done upto the Billed Quantity and the Quality is satisfactory
208	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door 4Way TP &N	Work done upto the Billed Quantity and the Quality is satisfactory
209	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 32-40 Amps 2 pole	Work done upto the Billed Quantity and the Quality is satisfactory

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223	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established through GI strip using GI bolts and nuts	Work done upto the Billed Quantity and the Quality is satisfactory
224	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm	Work done upto the Billed Quantity and the Quality is satisfactory
225	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.600x600x3mm GI Plate	Work done upto the Billed Quantity and the Quality is satisfactory
226	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. coppet strip 25x3mm	Work done upto the Billed Quantity and the Quality is satisfactory

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267	Constructing brick masonry circular type manhole 1.67 m internal dia at bottom 1.67m deep and 0.56m dial at top with table moulded non-modular bricks of 50 class designation 50 in cement mortar 1:4, inside cement plastered 12mm thick with cement mortar 1:3, finished with a floating coat of neat cement, foundation concrete M 10 using 40mm and downsize granite metal and making necessary channel in cement concrete M 15 with 20mm and downsize granite metal finished with a floating coat of neat cement, with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter confirming IS:12592, total weight cover and frame to be not less than 182 kg, fixed in cement concrete 1:2:4, 20mm and downsize broken granite metal, providing and removing centering, shuttering including cost of materials, labour charges, HOM of machineries complete as per specifications. (Excavation, footrests and 12mm thick cement plaster on the external surface shall be seperately).	Work done upto the Billed Quantity and the Quality is satisfactory
268	Providing cast iron footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, HOM of machineries complete as per specifications. specification no. KBS	Work done upto the Billed Quantity and the Quality is satisfactory
269	Making connection of drain or sewer line of size 160 to 200mm external dia with existing manhole including breaking into and making good the walls, floors with cement concrete M 15 with 20mm and down size granite metal, cement plastered on both sides of mix 1:3, finished with a floating coat of neat cement and making necessary channels for the drain, including cost of materials, labour charges, HOM of machineries complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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270	Constructing brick masonry inspection chamber 600x600mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non- modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C top slab with cement concrete M 15 with 20mm and down size granite metal, foundation concrete M5 with 40mm and down size granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, HOM of machineries complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
271	Providing and fixing unplasticised PVC pipes 10.00 kg/sq.cm working pressure chemp plast/wavin or equivalent make with pipe fittings, clips, making good the floor , including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications. do- with 90mm outer dia	Work done upto the Billed Quantity and the Quality is satisfactory
272	Providing and fixing unplasticised PVC pipes 10.00 kg/sq.cm working pressure chemp plast/wavin or equivalent make with pipe fittings, clips, making good the floor , including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications. -do- with 110mm outer dia	Work done upto the Billed Quantity and the Quality is satisfactory
273	Providing and fixing unplasticised PVC pipes 10.00 kg/sq.cm working pressure chemp plast/wavin or equivalent make with pipe fittings, clips, making good the floor , including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.do- with 160mm outer dia	Work done upto the Billed Quantity and the Quality is satisfactory

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274	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
275	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
276	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
277	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
278	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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280	Providing wash basin brackets of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot.	Work done upto the Billed Quantity and the Quality is satisfactory
281	Providing pedestal for wash basin of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot.	Work done upto the Billed Quantity and the Quality is satisfactory
282	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Work done upto the Billed Quantity and the Quality is satisfactory
283	Providing stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all materials, fixtures and lead). do- 15x15cms	Work done upto the Billed Quantity and the Quality is satisfactory
284	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 110 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
285	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. do- 160mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
286	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per	Work done upto the Billed Quantity and the Quality is satisfactory
287	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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288	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
289	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
290	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 35mm dia nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
291	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 40 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
292	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 65 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
293	Providing and fixing unplasticised PVC connection pipe with brass union 15mm nominal bore 300 mm length of PVC connection including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
294	Providing and fixing in position 40mm nominal bore non return valve vertical type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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295	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 32mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 do- 40mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
296	Providing and fixing to wall, ceiling and floor high density polyethylene pipes 6.00 kgf/sq.cm working pressure 32mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No.KBS 13.2.15.2 / 13.9 do -63mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
297	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) as per IS 12701 1996.	Work done upto the Billed Quantity and the Quality is satisfactory
298	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for not and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 15mm nominal OD pipes	Work done upto the Billed Quantity and the Quality is satisfactory

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299	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for not and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal OD pipes	Work done upto the Billed Quantity and the Quality is satisfactory
300	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for not and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 25mm nominal OD pipes	Work done upto the Billed Quantity and the Quality is satisfactory
301	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for not and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 32mm nominal OD pipes	Work done upto the Billed Quantity and the Quality is satisfactory
302	Spplying ,Installing testing and commissioning CP. Health faucet (two in one) with flexible hose,CP Angle valve, wall flange, supporting hook with screws, fixing materials and sealant to all sides of wall flange complete.	Work done upto the Billed Quantity and the Quality is satisfactory
303	supplying and Installing testing and commissioning of approved make C P GRAB BAR 600 mm long , CP wall flanges, fixing materials, complete.	Work done upto the Billed Quantity and the Quality is satisfactory

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304	Supplying , installing, testing and commissioning U PVC multi inlet floor trap without CP grating including fittings required to connect the outlets from wash basin , kitchen sink or any other drain pipe conforming to IS with required supports with clamps in suspended piping , supporting the trap with clamps including anchor fasteners , nuts , bolts and washers all leads and lifts complete. a) 75 mm dia outlet for floor trap	Work done upto the Billed Quantity and the Quality is satisfactory
305	Supplying,fabricating to the required length including support length and placing in position M S angle supports (to fix the watersupply and drainage lines) shafts with a coat of primer before erecting the clamps , fixed and aligned to level with anchor fasteners , bolts , nuts and washers , coat of primer and two coats of enamel paint after the ercetion of pipe lines with all leads and lifts complete. in vertical shafts	Work done upto the Billed Quantity and the Quality is satisfactory
306	Supplying,fabricating to the required length including support length and placing in position M S angle supports (to fix the watersupply and drainage lines) shafts with a coat of primer before erecting the clamps , fixed and aligned to level with anchor fasteners , bolts , nuts and washers , coat of primer and two coats of enamel paint after the ercetion of pipe lines with all leads and lifts complete. in vertical shafts -at terrace level	Work done upto the Billed Quantity and the Quality is satisfactory
307	Supplying and placing in position heavy duty P V C currah with frame of below mentioned sizes including jointing and fixing material complete. a) 160 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
308	supplying , installing in position (by tieing to reinforcement or welding to reinforcement) fabricated GI puddle flanges of required dia meter as specified below , with 6mm thick MS plates of size 150 mm x150 mm for pipe sizes up to 50 mm and MS plate protruding 100mm on all sides of the pipe for diameter of pipe 65 mm and above , with two coats of anticorrossive primer with threading / suitable flanges towards the pump connection side / valve connection side , with all leads and lifts comkplete. muncipal 32 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory

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309	supplying , installing in position (by tieing to reinforcement or welding to reinforcement) fabricated GI puddle flanges of required dia meter as specified below , with 6mm thick MS plates of size 150 mm x150 mm for pipe sizes up to 50 mm and MS plate protruding 100mm on all sides of the pipe for diameter of pipe 65 mm and above , with two coats of anticorrossive primer with threading / suitable flanges towards the pump connection side / valve connection side , with all leads and lifts comkplete. muncipal tanker 80 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
310	supplying , installing in position (by tieing to reinforcement or welding to reinforcement) fabricated GI puddle flanges of required dia meter as specified below , with 6mm thick MS plates of size 150 mm x150 mm for pipe sizes up to 50 mm and MS plate protruding 100mm on all sides of the pipe for diameter of pipe 65 mm and above , with two coats of anticorrossive primer with threading / suitable flanges towards the pump connection side / valve connection side , with all leads and lifts comkplete. over flow 100 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
311	Heavy duty manhole cover 600 x 600	Work done upto the Billed Quantity and the Quality is satisfactory
312	Air vent 80 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
313	pvc rungs	Work done upto the Billed Quantity and the Quality is satisfactory
314	pvc conduit 25 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
315	outlet to oht 40 mm dia	Work done upto the Billed Quantity and the Quality is satisfactory
316	Providing and constructing water meter chamber over a bed of P C C 1:4:8,in 200 mm thick solid block in C M 1:8, both internal and external plastering in C M 1:6, medium duty precast concrete cover with all leads and lifts, including curing complete. Size of chamber 750 X 750 x 600 mm clear	Work done upto the Billed Quantity and the Quality is satisfactory

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317	Providing and constructing inspection chamber (for bore well) with first quality table molded bricks of standard size in C M 1:6 over a P C C bed of 1 4 8 of 100 mm thick, internal surface plastered smooth and externally finished rough including providing P C C for channeling and providing pre cast slab of 100 mm thick with frame and cover including curing all leads and lifts fixing in position fiber coated steps etc., complete.	Work done upto the Billed Quantity and the Quality is satisfactory
318	Making necessary arrangements to obtain the permission for the connection of sewage line to the BWSSB main line and obtaining connection for water supply (deposits and other incidentals shall be borne by the client).	Work done upto the Billed Quantity and the Quality is satisfactory
319	Supplying, installing, testing and commissioning approved make submersible pump made of C.I construction suitable for buildingapplication. Thequoted rate shall also include for providing necessary safety devices viz. dry runprotection, over load relays auto level controller with necessary cables etc., complete working on 3ph 440V,50Hz, three phase system For pumping treated water from UG Sump to OHT, vertical type - pump, horizontal distance - 40 mtrs, Vertical distance - 15 mtrs, Duty of the Pump, 3.0 lps at 40m head (1 W+ 1st.by = 1No set)	Work done upto the Billed Quantity and the Quality is satisfactory
320	Supplying, Installing testing and commissioning approved make water level controller with cabling in P V C conduit (3 core & multi strand copper wire 1.5 sq mm) and automatic water level indicator digital type, indicating the level of water in percentage	Work done upto the Billed Quantity and the Quality is satisfactory
321	Length of cable	Work done upto the Billed Quantity and the Quality is satisfactory
322	Length of conduit	Work done upto the Billed Quantity and the Quality is satisfactory

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E8	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved quality and as per directions of Engineer in charge of the work (Second Floor)	Work done upto the Billed Quantity and the Quality is satisfactory

AE

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E9	Providing and fixing of Aluminium composite panel of approved makeSqm 4,943.00and colour for wall cladding for straight Brick/Rcc/stone walls &coloumns/beams with necessary aluminium frame works at required level made out of 50x25x3mm C section or equalent. The panel shouldconsist of 2.5 mm thermoplastic core of antitoxic LDPE sandwichedbetween 0.25 skins thickaluminium sheet making a total panel thicknessof 3mm. The surfaces will be finished with PVDF based coating ontopsides and service coating on reverse sides would be in polyester paint. The system shall be fixed using GI brackets, aluminium L cleatsand stainless steel bolts and nuts complete with spring washer and capnuts and all other necessary accessories, sealing shall be done using weather sealant necessary rods etc., complete and as per directions of Engineer in charge of the work (Second Floor)	Work done upto the Billed Quantity and the Quality is satisfactory
E10	Supply & Making of 11KV (E) Extruded "X" linked for tubing & moulded & cross-linked components using Heat Shrink Stress Control tube having High Permittivity XLPE Terminations - STRAIGHT THROUGH JOINTING KIT 3x95/120Sqmm	Work done upto the Billed Quantity and the Quality is satisfactory

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